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OXC 6114
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6 January 1964

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report - Lockheed Aircraft Corporation,
Burbank, California

25X1A 1. On 20 December 1963 and 27 December 1963, the undersigned met with [] at Lockheed Aircraft Corporation, Burbank, California. Purpose of the meetings were:

a. To acquaint Lockheed personnel with our need for fuel consumption data for mission plan purposes, in a format that will be more workable.

b. To learn the effects of non-standard temperatures on aircraft performance; namely, fuel flow, mach, TAS, altitude.

c. To determine, if possible, a method of sustained cruise that may be utilized and the pilot's reaction to the effects of a changing outside air temperature.

25X1A 2. The meetings were productive in that attention was focused on the complex problem of the effects of non-standard temperatures. The attached is a study by [], but it offers no definite solution to the problem. It was generally agreed that no definite conclusion could be reached until flight test data becomes available for study.

3. I firmly believe that a meeting to determine methods of computer fuel consumption determination would be non-productive at this time. I propose, instead, to work with the Automation Staff, OSA, in setting up a computer fuel program. Using time as the basic input, all the possible variables mentioned above may (or may not) resolve themselves to time.

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This document contains information
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